

**Annual Report 2010**

**Production Sector**

OMB Control No. 2060-0328  
Expires 07/31/2011



**Company Information**

Company Name: **ConocoPhillips**

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Company Information Updated: **Yes**

**Activities Reported**

**BMP1: Yes   BMP2: No   BMP3: Yes**

Total Methane Emission Reductions Reported This Year: **1,987,050**

Previous Years' Activities Reported: **No**

**Period Covered by Report**

From: **01/01/2010**

To: **12/31/2010**

☒ I hereby certify the accuracy of the data contained in this report.

**Additional Comments**

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BMP1: Identify and Replace High-Bleed Pneumatic Devices

**Current Year Activities**

**A. Facility/location identifier information:**

**MCBU - Barnett Shale**

**B. Facility Summary**

Number of devices replaced this reporting period: **1,340 devices**  
Percent of system now equipped with low/no-bleed units: **100 %**

**C. Cost Summary**

Estimated cost per replacement (including equipment and labor): **\$ 300**

**D. Methane Emissions Reduction**

Method Used: **Other**  
Data Source: **Not Applicable**  
Methane Emissions Reduction: **402,000 Mcf/year**

Wellmark sampling and testing. Avg used for 20 psig supply pressure is 300 mscf/yr.

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

One-year                      ☒ Multi-year

**If Multi-year:**        ☒ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration (BMP 1 has a sunset period of 7 years).  
Partner will report this activity annually up to allowed sunset date.

**F. Total Value of Gas Saved**

Value of Gas Saved: **\$ 1,206,000**  
\$ / Mcf used: **\$ 3.00**

**G. Planned Future Activities**

Number of high-bleed devices to be replaced next year: \_\_\_\_\_ **devices**

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Previous Years' Activities

Year	Number of Devices Replaced	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of replacements (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

**A. Facility/location identifier information:**

**SJBU-San Juan Basin**

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Artificial lift: install smart lift automated systems on gas wells (10 years)**

Please describe how your company implemented this PRO:

**Upgraded plunger list controllers**

**C. Level of Implementation**

**Number of units installed: 160 units**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **137,300 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

One-year

☒ Multi-year

**If Multi-year:**

- ☒ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): **\$ 2,880,000**

**G. Total Value of Gas Saved**

Value of Gas Saved: **\$ 411,900**

\$ / Mcf used: **\$ 3.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: \_\_\_\_\_

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice/activity or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

**A. Facility/location identifier information:**

**MidCon-BU Wide**

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**DI&M: leak detection using IR camera/optical imaging**

Please describe how your company implemented this PRO:

**Used FLIR surveys to id and repair leaks**

**C. Level of Implementation**

**Frequency of activity or practice: 770 times/year**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **4,050 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): **\$ 37,600**

**G. Total Value of Gas Saved**

Value of Gas Saved: **\$ 12,150**

\$ / Mcf used: **\$ 3.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: \_\_\_\_\_

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice/activity or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

**A. Facility/location identifier information:**

**MCBU-Barnett Shale**

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Perform reduced emissions completions**

Please describe how your company implemented this PRO:

**Used purposed designed completion equipment to enable recovery of methane into product line.**

**C. Level of Implementation**

**Number of units installed: 20 units**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **207,360 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.



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**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): **\$ 412,600**

**G. Total Value of Gas Saved**

Value of Gas Saved: **\$ 622,080**

\$ / Mcf used: **\$ 3.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: \_\_\_\_\_

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice/activity or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

**A. Facility/location identifier information:**

**SJBU-San Juan Basin**

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Perform reduced emissions completions**

Please describe how your company implemented this PRO:

**Used purposed designed completion equipment to enable recovery of methane into product line.**

**C. Level of Implementation**

**Number of units installed: 97 units**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **1,177,040 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): **\$ 4,850,000**

**G. Total Value of Gas Saved**

Value of Gas Saved: **\$ 3,531,120**

\$ / Mcf used: **\$ 3.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: \_\_\_\_\_

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice/activity or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

**A. Facility/location identifier information:**

**GCBU**

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Reduce glycol circulation rates in dehydrators**

Please describe how your company implemented this PRO:

**Resized pumps to match required circulation rates.**

**C. Level of Implementation**

**Number of units installed: 8 units**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **14,200 Mcf/year**

Basis for the emissions reduction estimate: **Calculation using manufacturer specifications**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): **\$ 19,200**

**G. Total Value of Gas Saved**

Value of Gas Saved: **\$ 42,600**

\$ / Mcf used: **\$ 3.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: \_\_\_\_\_

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice/activity or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

**A. Facility/location identifier information:**

**SJBU-San Juan Basin**

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Solar powered pumps**

Please describe how your company implemented this PRO:

**Replaced gas driven chemical injection pumps with solar powered units**

**C. Level of Implementation**

**Number of units installed: 149 units**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **13,600 Mcf/year**

Basis for the emissions reduction estimate: **Calculation using manufacturer specifications**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

One-year

☒ Multi-year

**If Multi-year:**

- ☒ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): **\$ 640,700**

**G. Total Value of Gas Saved**

Value of Gas Saved: **\$ 40,800**

\$ / Mcf used: **\$ 3.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: \_\_\_\_\_

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice/activity or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

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BMP3: Partner Reported Opportunities (PROs)

Current Year Activities

**A. Facility/location identifier information:**

**GCBU**

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Solar powered pumps**

Please describe how your company implemented this PRO:

**Replaced gas driven chemical injection pumps with solar powered units**

**C. Level of Implementation**

**Number of units installed: 77 units**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **31,500 Mcf/year**

Basis for the emissions reduction estimate: **Calculation using manufacturer specifications**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

One-year

☒ Multi-year

**If Multi-year:**

- ☒ Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.



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**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): **\$ 39,000**

**G. Total Value of Gas Saved**

Value of Gas Saved: **\$ 94,500**

\$ / Mcf used: **\$ 3.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: \_\_\_\_\_

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice/activity or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

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**Additional Accomplishments**